



# Statewide Addressing Project

Emergency Number Systems Board

Planning Day

1/18/2013



# Background

- Federal ARRA grant awarded to Maryland Broadband Cooperative (MBC)
- Salisbury University obtained contract from MBC to complete a data collection and mapping effort of Maryland's broadband areas
- GIS Coordinator for Statewide Addressing hired in late December and outfitted at the DoIT's office in Annapolis

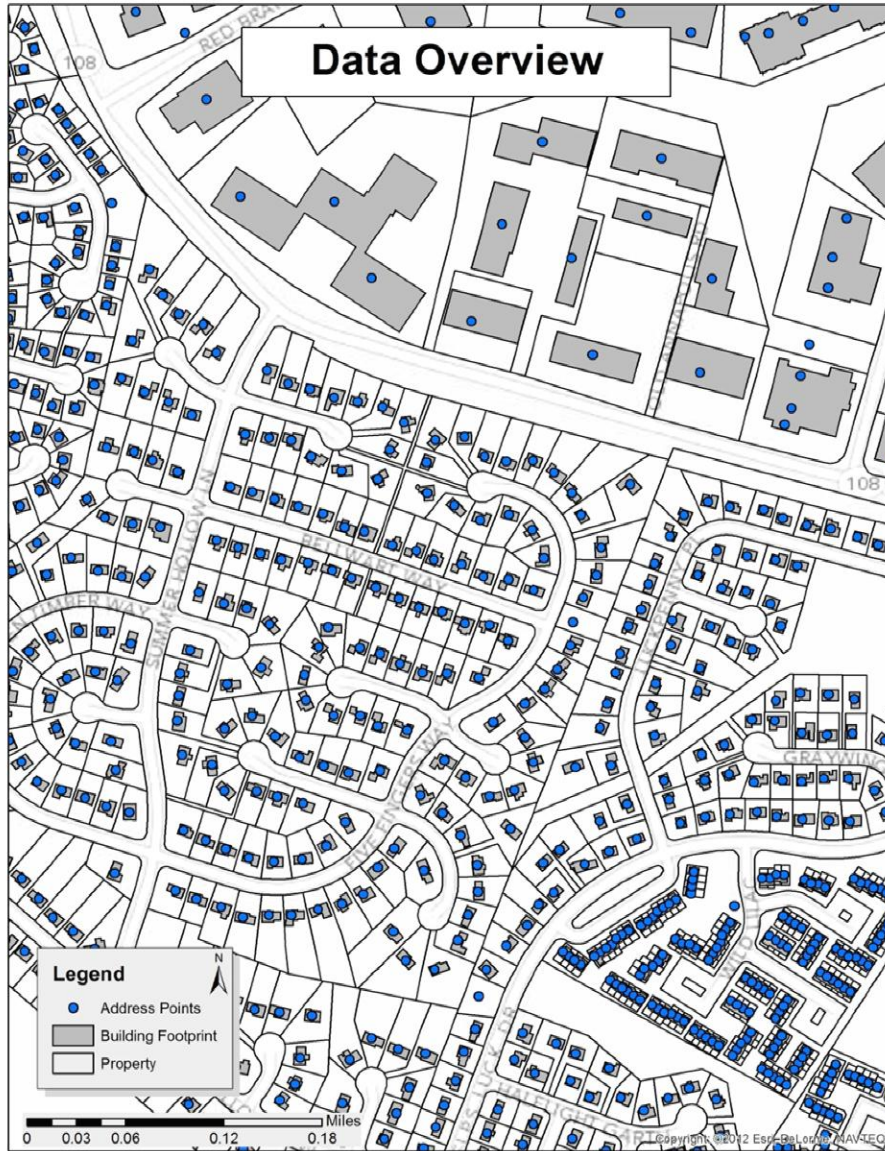
# Big Picture

- One standardized master address point database for the state of Maryland
    - Local jurisdictions are to be originator and steward of data
    - Serves as source of statewide addresses for local jurisdictions, state agencies, and the public
    - Maintains up-to-date data
  - Leverage previous numbers board investments for local addressing efforts for statewide benefit
  - Build and maintain on-going partnerships with local jurisdictions
- 
- Not a re-addressing project

# Why

- The State benefits
  - Supports a high-quality geocoding service for numerous state agencies and the public
  - Saves money
  - Streamlines/standardizes internal agency procedures
- Local jurisdictions benefit
  - Provides local jurisdictions with consistent data from adjoining jurisdictions
  - Reduces redundant data requests
  - Obtains feedback from the State verification process

# Data Overview



FKPARCELS	ADDRESSNO	PREMSNAM	PREMSTYP	PREMCITY	PREMZIP	GEOADDRESS	STREETNAME	\$
857366	6480	ANDERSON	AVE	Hanover	21076	6480 ANDERSON AVE	ANDERSON AVE	
857813	6471	LOUDON	AVE	Hanover	21076	6471 LOUDON AVE	LOUDON AVE	
854910	6481	LOUDON	AVE	Hanover	21076	6481 LOUDON AVE	LOUDON AVE	
857996	6313	HANOVER CROSSING	WAY	Hanover	21076	6313 HANOVER CROSSING WAY	HANOVER CROSSING WAY	
858016	6370	HANOVER CROSSING	WAY	Hanover	21076	6370 HANOVER CROSSING WAY	HANOVER CROSSING WAY	
858030	6385	HANOVER	RD	Hanover	21076	6385 HANOVER RD	HANOVER RD	
858043	6394	HANOVER CROSSING	WAY	Hanover	21076	6394 HANOVER CROSSING WAY	HANOVER CROSSING WAY	
858048	6420	HANOVER	RD	Hanover	21076	6420 HANOVER RD	HANOVER RD	
858215	6398	HANOVER CROSSING	WAY	Hanover	21076	6398 HANOVER CROSSING WAY	HANOVER CROSSING WAY	
858249	6416	MICHAEL ELIZABETH	WAY	Hanover	21076	6416 MICHAEL ELIZABETH WAY	MICHAEL ELIZABETH WAY	
858262	6413	JULIE ANN	DR	Hanover	21076	6413 JULIE ANN DR	JULIE ANN DR	
854943	6401	NORRIS	ST	Hanover	21076	6401 NORRIS ST	NORRIS ST	
854946	6467	HANOVER	RD	Hanover	21076	6467 HANOVER RD	HANOVER RD	
854947	6435	WILLIAM	ST	Hanover	21076	6435 WILLIAM ST	WILLIAM ST	
854959	6376	NORRIS	ST	Hanover	21076	6376 NORRIS ST	NORRIS ST	
858611	6427	SKIPTON	DR	Hanover	21076	6427 SKIPTON DR	SKIPTON DR	
858615	6457	ANDERSON	AVE	Hanover	21076	6457 ANDERSON AVE	ANDERSON AVE	
858620	6435	RYAN	AVE	Hanover	21076	6435 RYAN AVE	RYAN AVE	
858640	6430	HANOVER	RD	Hanover	21076	6430 HANOVER RD	HANOVER RD	
858654	6428	MICHAEL ELIZABETH	WAY	Hanover	21076	6428 MICHAEL ELIZABETH WAY	MICHAEL ELIZABETH WAY	
858974	6419	MICHAEL ELIZABETH	WAY	Hanover	21076	6419 MICHAEL ELIZABETH WAY	MICHAEL ELIZABETH WAY	
858981	6386	WINTERS	LN	Hanover	21076	6386 WINTERS LN	WINTERS LN	
858990	6330	HANOVER CROSSING	WAY	Hanover	21076	6330 HANOVER CROSSING WAY	HANOVER CROSSING WAY	
859041	6403	MICHAEL ELIZABETH	WAY	Hanover	21076	6403 MICHAEL ELIZABETH WAY	MICHAEL ELIZABETH WAY	
859846	6363	HANOVER CROSSING	WAY	Hanover	21076	6363 HANOVER CROSSING WAY	HANOVER CROSSING WAY	
845692	6419	RYAN	AVE	Hanover	21076	6419 RYAN AVE	RYAN AVE	
857615	6485	ANDERSON	AVE	Hanover	21076	6485 ANDERSON AVE	ANDERSON AVE	
857640	6358	HANOVER CROSSING	WAY	Hanover	21076	6358 HANOVER CROSSING WAY	HANOVER CROSSING WAY	
857654	6371	HANOVER CROSSING	WAY	Hanover	21076	6371 HANOVER CROSSING WAY	HANOVER CROSSING WAY	
857946	6408	MICHAEL ELIZABETH	WAY	Hanover	21076	6408 MICHAEL ELIZABETH WAY	MICHAEL ELIZABETH WAY	
857977	6391	HANOVER CROSSING	WAY	Hanover	21076	6391 HANOVER CROSSING WAY	HANOVER CROSSING WAY	
858054	6305	HANOVER CROSSING	WAY	Hanover	21076	6305 HANOVER CROSSING WAY	HANOVER CROSSING WAY	
858077	6301	HANOVER CROSSING	WAY	Hanover	21076	6301 HANOVER CROSSING WAY	HANOVER CROSSING WAY	
858187	6412	JULIE ANN	DR	Hanover	21076	6412 JULIE ANN DR	JULIE ANN DR	
858204	6402	HANOVER	RD	Hanover	21076	6402 HANOVER RD	HANOVER RD	
858302	6444	SKIPTON	DR	Hanover	21076	6444 SKIPTON DR	SKIPTON DR	
858397	6413	HANOVER	RD	Hanover	21076	6413 HANOVER RD	HANOVER RD	
858410	6439	RYAN	AVE	Hanover	21076	6439 RYAN AVE	RYAN AVE	
854971	6286	MOUND	ST	Hanover	21076	6286 MOUND ST	MOUND ST	
855000	6429	ANDERSON	AVE	Hanover	21076	6429 ANDERSON AVE	ANDERSON AVE	
855522	6439	WILLIAM	ST	Hanover	21076	6439 WILLIAM ST	WILLIAM ST	
858574	6541	LOUDON	AVE	Hanover	21076	6541 LOUDON AVE	LOUDON AVE	
855586	6407	SKIPTON	DR	Hanover	21076	6407 SKIPTON DR	SKIPTON DR	
856479	6426	ANDERSON	AVE	Hanover	21076	6426 ANDERSON AVE	ANDERSON AVE	
858655	6454	ANDERSON	AVE	Hanover	21076	6454 ANDERSON AVE	ANDERSON AVE	
858798	6375	HANOVER	RD	Hanover	21076	6375 HANOVER RD	HANOVER RD	
858836	6363	SOUTH HANOVER	RD	Ekridge	21075	6363 SOUTH HANOVER RD	SOUTH HANOVER RD	
858991	6371	WINTERS	LN	Hanover	21076	6371 WINTERS LN	WINTERS LN	
858997	6422	KRISTIN	DR	Hanover	21076	6422 KRISTIN DR	KRISTIN DR	
859376	6437	JULIE ANN	DR	Hanover	21076	6437 JULIE ANN DR	JULIE ANN DR	
859444	6405	RYAN	AVE	Hanover	21076	6405 RYAN AVE	RYAN AVE	
857676	6390	HANOVER CROSSING	WAY	Hanover	21076	6390 HANOVER CROSSING WAY	HANOVER CROSSING WAY	
857679	6402	ANDERSON	AVE	Hanover	21076	6402 ANDERSON AVE	ANDERSON AVE	
857936	6414	ANDERSON	AVE	Hanover	21076	6414 ANDERSON AVE	ANDERSON AVE	
857943	6408	JULIE ANN	DR	Hanover	21076	6408 JULIE ANN DR	JULIE ANN DR	
858113	6317	HANOVER CROSSING	WAY	Hanover	21076	6317 HANOVER CROSSING WAY	HANOVER CROSSING WAY	



## Geocoding With Centerlines Versus Address Points

### Legend



Geocoding Result: Address Points



Geocoding Result: Centerlines 1



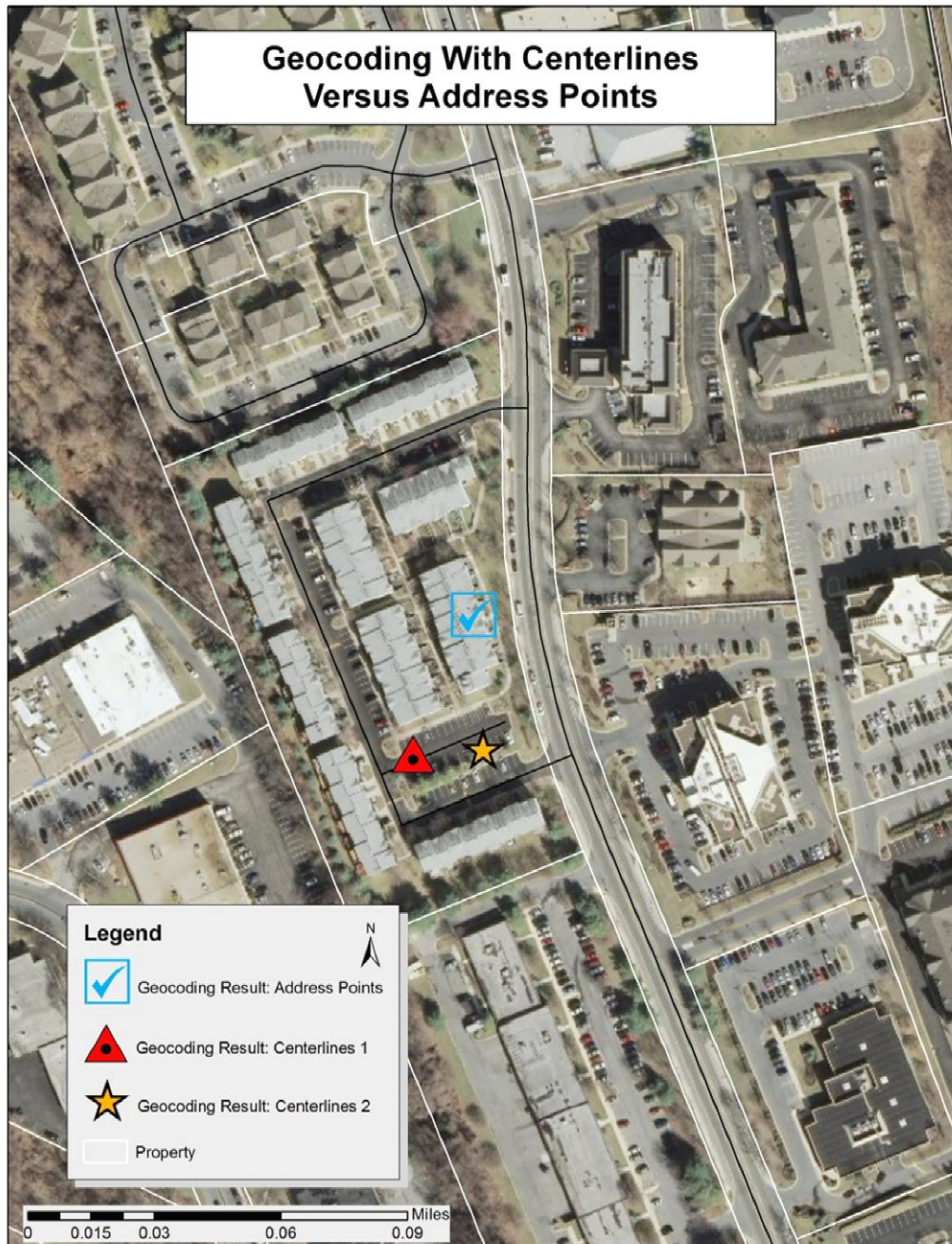
Geocoding Result: Centerlines 2



Property



0 0.015 0.03 0.06 0.09 Miles



# How

- MD iMAP actively working on building a cascading geocoder
  - Address Points
  - Statewide Centerlines
  - ZIP Codes
  - Municipalities
  - Intersections
  - Highway Exits
  - Mile Markers
  - Community Anchor Institutions
  - Points of Interest
  - Place Names
- Actively collecting data to populate geocoders
  - Local address points would be ideal part of the geocoder

# How

- Hold face-to-face meetings with local PSAPs and GIS coordinators
  - Understand local addressing procedures
  - Coordinate with other data collection efforts
    - MDSP E911 project on the Eastern Shore
    - MDP collection efforts
    - Washington College
    - Baltimore Metropolitan Council
- Verify local address points with statewide datasets
  - Motor vehicle database
  - Voter registration database
  - Provide feedback to local jurisdictions
  - Leverage NENA standards
- Develop standardization process
  - Merge datasets



# When

- Currently in research phase
- Send initial contact letter to local PSAPs and GIS coordinators (March)
  - Eastern Shore may be sooner
- Schedule face-to-face meeting with local jurisdictions for data collection/interviews (April – May)
- Analyze data (May – July)
- Report back to local governments (August - September)

# When

- Implement/Develop a statewide address maintenance plan (year two)
  - Identify ongoing maintenance procedure
  - Synthesize validation findings
  - Identify needed resources (in-house vs. contracting)
  - Develop statewide best practices and standards
    - Advisory only

# Thank You

- Questions/Comments
- Contact Information

Russell Provost  
GIS Program Coordinator - Statewide Addressing  
Eastern Shore Regional GIS Cooperative  
45 Calvert Street, Annapolis, MD 21401  
(410) 260-7318 (office)  
(703) 407-0324 (cell)  
[russell.provost@maryland.gov](mailto:russell.provost@maryland.gov)

Barney Krucoff  
Geographic Information Officer (GIO)  
Geographic Information Office  
Department of Information Technology  
443-370-3008  
[barney.krucoff@maryland.gov](mailto:barney.krucoff@maryland.gov)

Ken Miller  
Deputy Geographic Information Officer (GIO)  
Geographic Information Office  
Department of Information Technology  
(410) 260-4044  
[ken.miller@maryland.gov](mailto:ken.miller@maryland.gov)